| SIL       | Anchorage #9      | LATITUDE:           | 37-46.0  |
|-----------|-------------------|---------------------|----------|
| HAZARD:   | Vessel Navigation | LONGITUDE: 122-22.9 | 122-22.9 |
| VOLUME:   | 300,000 bbl       |                     |          |
| DURATION: | 3 days            |                     |          |
|           |                   |                     |          |

## TRAJECTORY ANALYSIS

would reach the Richmond/San Rafael Bridge to the north and Hunters Point to the and southward within San Francisco Bay. A spill transported over the entire flood tide northward or southward. A spill during the flood tide could transport the oil northward the oil westward through the Golden Gate. At that point, winds could likely spread the oil gravity, surface tension, and tidal dispersion. Spill transport on an ebbing tide could carry wind and tidal currents, and spreading of the oil spill by physical processes such as the oil an additional 2 miles. #9 in central San Francisco Bay. The trajectory analysis considered oil transport by the A spill trajectory envelope was calculated for vessel navigation hazards near Anchorage Physical spreading of the spill over the initial 6-hour time period could transport

San Pablo Bay to approximately the Carquinez Bridge. Mateo Bridge. Within 3 days, westerly and as southwesterly winds could carry oil across direction, strength, and persistence of local winds. Northerly winds, combined with Wind-induced surface currents could cause additional transport of oil depending on the physical spreading, could transport the oil into South San Francisco Bay past the San

transported outside the Bay, northerly winds could transport the oil as far as Point as far as Point Reyes after 3 days. or northward along the coast depending on the direction of the wind. For oil that is Any oil exiting San Francisco Bay would be expected to be transported either southward Montara after 3 days. Southerly winds outside the Bay could transport the oil northward

preparing these spill envelopes is provided in Section 202.2. envelopes do not represent the trajectory of any one spill. A full discussion of the details used for and wind and assume pessimistic dispersion and other adverse weather conditions. oil in the event of any spill. The envelopes are based on regional extremes of climate, tide, current, These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive These trajectory

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